



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John Peterson  
Serial No. : 09/848,017  
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Title : PROJECTING IMAGES ONTO A SURFACE

Art Unit : Unknown  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Replace the paragraph beginning at page 5, line 4 with the following rewritten paragraph:

FIG. 1 is a block diagram of a computer system for merging images;

FIG. 2A and 2B show user interfaces presented by the system of FIG. 1;

FIG. 3 shows the relationship between perspective distortion, the rotation angle, and the focal length;

FIG. 4 is a flow chart of the process performed by the system of FIG. 1 to merge the images, including determining relative positions of the images, correcting perspective distortion in the images, and determining the focal length and rotation angles of the images;

FIG. 5A illustrates the use of the focal length and the rotation angle to map images onto a cylinder;

FIG. 5B illustrates the use of the focal length and the rotation angle to incorporate a computer generated 3-dimensional object into a panoramic image;

FIGs. 6A-6F illustrate intermediate steps in merging images;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

May 29, 2001  
Date of Deposit

Diana M. Bradley  
Signature

Diana M. Bradley  
Typed or Printed Name of Person Signing Certificate